ACQUISITION, TECHNOLOGY AND LOGISTICS

THE UNDER SECRETARY OF DEFENSE
3010 DEFENSE PENTAGON
WASHINGTON, D.C. 20301-3010

MAY 28 2004

MEMORANDUM FOR DISTRIBUTION

SUBJECT: Under Secretary of Defense (Acquisition, Technology and Logistics) Award for Learning and Development Excellence

To promote the objectives of the Under Secretary of Defense (Acquisition, Technology and Logistics (USD(AT&L)) Goal 7—Motivated, Agile Workforce, I have established a USD(AT&L) Award for Learning and Development Excellence. This program recognizes Department of Defense AT&L field organizations that have made exemplary contributions to the career-long learning and development of their workforce.

Specific guidelines on eligibility, nomination, and selection are attached. [**Editor's note: The current nomination period closed July 30 , 2004. Future year nominations will be accepted by the Defense Acquisition University at the following address:**]

Defense Acquisition University
ATTN: Planning, Policy and Leadership Support
9820 Belvoir Road
Fort Belvoir, Virginia 22060-5522

The ceremony for the presentation of the Learning and Development Award will be held in the fall of 2004. I encourage your participation in this inaugural award program.

My point of contact is Dr. Russell A. Vacante at (703) 805-4864 or via e-mail at russ.vacante @dau.mil.

Michael W. Wynne
Acting

Attachments
As stated

Editor's note: To view distribution of this memorandum or download a copy of the attachments, visit the Defense Acquisition University Web site at <http://www.dau.mil/ATL%20Learning%20and%20Development/default.asp>.

ARMY NEWS SERVICE (JUNE 2, 2004)

ARMY NAMES GREATEST INVENTIONS OF YEAR

WASHINGTON—Ten teams were recognized June 23 by the U.S. Army Research, Development and Engineering Command for the "Greatest Army Inventions" of the past year.

The winning inventions include a zinc-air battery, life-saving medical equipment, the first antipersonnel round for the Abrams tank, and camera equipment to inspect caves.

"The inventions submitted demonstrate the vast experience within the Army laboratory community as a sincere commitment of these laboratories to improving the readiness of our Army," said Lt. Gen. Richard A. Cody, the Army's deputy chief of staff, G-3, and the final selection authority for the program.

BA-8180/U ZINC-AIR BATTERY

The BA-8180/U Zinc-Air Battery was developed by Communications-Electronics Research, Development and Engineering Center, Integrated Battle Command Directorate, Fort Monmouth, N.J. The battery has an extended life cycle that enables fewer batteries to be carried by soldiers than other rechargeable or lithium batteries.

The first antipersonnel round for the Abrams Main Battle Tank was designed by the Armaments Engineering and Technology Center, Picatinny Arsenal, N.J. The Ctg 120mm xm1208 canister consists of a two-piece projectile canister aluminum body with four axial slots to facilitate the separation of the sidewall. This design improves payload discard reliability and uniformity, according to experts.

A medical care professional uses the Battlefield Medical Information System-Telemedicine while treating a patient. The BMIS-T is one of the 2003 Army Greatest Inventions. U.S. Army photo

ANTI-TANK FOR CONFINED SPACE—AT4 CS

The anti-tank for confined space, also called the AT4 CS is also the creation of the Armaments Engineering and Technology Center in Picatinny Arsenal, N.J. The AT4 CS is the Department of Defense's first large-caliber anti-tank capability that can be fired from an enclosed area. It is a light, recoilless, shoulder-fired, preloaded weapon used for close-range combat. Designed for a single use, once the weapon has been fired the launcher is thrown away.

There is a counter mass container on one end of the AT4 CS that reduces overblast, debris, and noise. This feature allows the weapon to be fired from inside a room, in a thick jungle, or in front of an obstacle.

ANTI-PERSONNEL OBSTACLE BREACHING SYSTEM (APOBS)

An anti-personnel obstacle breaching system (APOBS) is another invention created by the Armaments Engineering and Technology Center. The APOBS is used to clear areas and create footpaths for troops moving in an area with mines or wire obstacles. It replaces the Bangalore Torpedo, which was heavier, took longer to set up, and four times the number of people to carry, officials said.

The APOBS can be carried by two people, and takes 30 to 120 seconds to be set up. Once in place, it fires a rocket from a 25-meter standoff position, sending a line charge with fragmentation grenades over the minefields or wire obstacles. The grenades clear the mines and sever the wires.

AGENTASE NERVE AGENT SENSOR

Agentase Nerve Agent Sensor is an invention designed by the U.S. Army Research Laboratory from the U.S. Army Research Office in Durham, N.C. The sensor is a hand-held device that detects nerve agents when pressed against a surface. Reactive components have been integrated inside two polymer layers that remove requirements by conventional technologies for additional substrates or extended incubation times. If a nerve agent chemical weapon is present, a color-developing polymer layer contains an environmentally sensitive indicator that changes from yellow to red/orange within two minutes.

PORTABLE OMNI-DIRECTIONAL WELL CAMERA SYSTEM

The Portable Omni-Directional Well Camera System was developed at Fort Belvoir, Va., by the Communications-Electronics Research, Development and Engineering Center Night Vision and Electronic Sensors Directorate. The system is designed for inspecting wells, underground caves, or vertical passages that are unfit or unsafe for human inspection. It can be used in light or dark conditions and to a depth of 300 feet. Video from a hemispherical CCD sensor payload is displayed on a four-inch monitor at the surface of an area being explored. The system is designed to be waterproof to a depth of 90 feet.

GOLDEN HOUR CONTAINER

The Golden Hour Container was created by the Walter Reed Army Institute of Research in Silver Spring, Md. This container can transport red blood cell units without the use of batteries, ice, or electricity. It was designed to transport the blood cell units within military facilities and to forward surgical teams where delayed evacuation of wounded soldiers can occur. The container is reusable and maintains the contents at the appropriate temperatures for more than 78 hours. While designed specifically for transporting red blood cell units, inventors believe its usefulness will extend to other items such as vaccines and reagents. The container has a carrying strap and comes in Army desert, woodland, and Marine camouflage.

VIRGIL CHEST TRAUMA TRAINING SYSTEM

VIRGIL Chest Trauma Training System is the invention of the Simulation Group, Telemedicine and Advanced Technology Research Center at Fort Detrick, Md. The training system combines the use of a mannequin and a computer-based graphic interface. It is used during training exercises and tracks the internal position of chest darts and chest tubes as well as provides feedback to the user.

SQUAD AUTOMATIC WEAPON (SAW) PINTLE MOUNT ASSEMBLY

A mount assembly, designed by the Tank Automotive Research, Development and Engineering Center, National Automotive Center in Warren, Mich., helps provide more security to crews in Humvees. The Squad Automatic Weapon (SAW) Pintle Mount Assembly provides soldiers the ability to defend themselves from both sides of the vehicle. It also allows the SAW to be elevated to a 45-degree angle to defend soldiers from an enemy who may be on overpasses or similar overhead objects. The mount is attached mid-way between the front and rear doors on the HMMWV. This provides crew members in either the front or rear seats to use the weapon by swiveling the weapon in the direction needed.

BATTLEFIELD MEDICAL INFORMATION SYSTEM–TELEMEDICINE (BMIS-T)

The Battlefield Medical Information System–Telemedicine (BMIS-T) was designed by the Telemedicine and Advanced Technology Research Center, Fort Detrick, Md. BMIS-T is a similar to a handheld computer with special programming developed to assist deployed medical personnel with diagnosis and treatment. It can be used to record patient clinical encounters and transmit those records to a central repository, officials said. The system holds servicemembers' medical records including immunizations, dental and vision records, as well as known drug allergies. BMIS-T is programmed with healthcare reference manuals and can provide medical personnel with suggested diagnosis and treatment plans.

Nominations for the program were submitted from across the Army laboratory community and were evaluated by soldier teams from the U.S. Army Training and Doctrine Command and active U.S. Army Divisions, according to Gen. Paul J. Kern, commander of the U.S. Army Materiel Command.

Evaluators judged the entries based on their impact on Army capabilities, potential benefit outside the Army, and their inventiveness.

Each of the winning teams received a glass trophy and a Department of the Army certificate during the June 23 ceremony at the Hilton in McLean, Va.

Editor's note: Information provided by Larry McCaskill of the U.S. Army Research, Development and Engineering Command and summarized by ARNEWS correspondent Karla Gonzalez.

AIR FORCE PRINT NEWS (JUNE 3, 2004)
AIR FORCE ANNOUNCES BUSINESS AWARDS

Staff Sgt. Melanie Streeter, USAF

WASHINGTON—Winners of the 2003 Secretary of the Air Force Small and Disadvantaged Business Awards were recognized by Peter B. Teets, undersecretary of the Air Force, in a ceremony June 1.

"As President [George W.] Bush said recently, small businesses and the entrepreneurial spirit are 'really what America has been, is and should be all about,'" Teets

said. "From the perspective of my 40 years of industry experience, I couldn't agree more. I'm particularly pleased with the efforts our award winners have made in support of the Air Force Small Business program," he said.

This year's winners are:

SECRETARY OF THE AIR FORCE SMALL BUSINESS PROGRAM EXCELLENCE AWARD

Warner Robins Air Logistics Center at Robins Air Force Base, Ga.

SECRETARY OF THE AIR FORCE SPECIAL ACHIEVEMENT AWARD (INDIVIDUAL)

Ray Blevins of the 314th Contracting Squadron at Little Rock AFB, Ark.

SECRETARY OF THE AIR FORCE SPECIAL ACHIEVEMENT AWARD (ACTIVITY)

82nd Training Wing at Sheppard AFB, Texas.

OUTSTANDING CONTRIBUTION TO THE SMALL BUSINESS PROGRAM BY A CONTRACTING TEAM

Air Force Research Laboratory at Rome, N.Y.

OUTSTANDING CONTRIBUTION TO THE SMALL BUSINESS PROGRAM BY A CONTRACTING INDIVIDUAL

Carol Singleton from Brooks City-Base, Texas.

"Not only do small businesses support many different facets of the Air Force mission, they involve a major segment of the nation's population in national security," Teets said. "And they often lead to increased quality and lower costs.

"Small business is smart business for the Air Force," he said.

ARMY NEWS SERVICE (JUNE 21, 2004)
PROGRAM MANAGER—STRYKER GETS ENVIRONMENTAL AWARD

Joe Burlas

WASHINGTON—Program Manager–Stryker just got an award normally given to Army installations. Lt. Gen. Joseph Yakovac, military deputy to the assistant secretary of the Army for acquisition, logistics and technology, presented the Secretary of the Army Environmental Excellence Award in a Pentagon ceremony June 17.

"We are not only responsible for being good stewards of taxpayers' money, but good stewards of the environment," Yakovac said. "It's not glamorous, but we need to save the world for future generations' use."

The citation for the award credited Project Manager–Stryker with establishing an interagency environmental management team that significantly reduced the hazards materials used in building the Army's newest combat family of vehicles and other environment-friendly features designed into the vehicles. Examples include a design that catches spent shell casings and another that traps fluids that are normally released to the environment. Additionally, the team created processes that eliminate many uses of chromium and cadmium in the production, fielding, and repair in the first halon-free crew explosion protection system.

Less use of hazardous material in the Stryker means less risk to the warfighters who use the vehicle, according to the citation. It also means less of a hazardous waste burn to the installations where the Stryker is operated and maintained, it said.

Col. Dave Ogg, Stryker project manager, accepted the award from Yakovac. "While I may be getting the credit, winning this award was truly a team effort," Ogg said.